

Using GPS Visualizer & Earth Point

Using GPS Vis, take a table of Addresses, geocode them and then map them using GOOGLE.

1. Access the GPSVisualizer website utility: <http://www.gpsvisualizer.com/>
2. Select **Geocoding** from the 'detailed input page' options.

GPS Visualizer

- Home
- DRAW A MAP
- DRAW A PROFILE
- CONVERT A FILE
- Geocode an address
- Look up elevations
- Google Earth overlays
- Split a Forerunner file
- Calculators
- GPSBabel
- Help/FAQ
- Examples

Partner sites:
[GlobalMotion.com](#)
[EveryTrail.com](#)

Ads by Google

Business Process Mapping
 Mapping software to streamline and automate business procedures.
www.inProcess.com

GPS Tracking
 Track your moving assets, vehicles personnel or package. Find out how.
www.gpspursuit.com

RAM GPS Mounts
 Premium Quality, Lifetime Warranty Endorsed by Garmin, Magellan, etc.
www.RAM-Mount.com

GPS Fleet Tracking
 Worldwide GPS, all-satellite asset tracking &

GPS Visualizer: Do-It-Yourself Mapping

GPS Visualizer is a **free**, easy-to-use online utility that creates maps and profiles from GPS data (tracks and waypoints, including GPX files), street addresses, or simple coordinates. Use it to see where you've been, plan where you're going, or visualize geographic data (business locations, scientific observations, events, customers, real estate, geotagged photos, "GPS drawing," etc.).

Get started now:

Upload a GPS file: Browse...

Choose an output format: Go!

To set more options, use the detailed input pages:

- Google Maps
- Google Earth KML
- JPEG/PNG/SVG maps
- Plot data points
- Profiles (elevation, etc.)
- Convert to GPX
- Convert to plain text
- Geocoding**

GPS Visualizer can read data files from many different sources, including but not limited to: GPX (a standard format from many devices and programs, including Garmin's eTrex and GPSMAP series), OziExplorer, Geocaching.com (.loc), IGC sailplane logs, Garmin Forerunner (.xml/.hst/.tcx), Timex Trainer (v1.3+), Cetus GPS, PathAway, cotoGPS, CompeGPS, TomTom (.ppl), IGN Rando (.rdn), Emtac Trine, Suunto X9/X9i (.sdf), NetStumbler, Excel, Google Spreadsheets, XML feeds, and of course **tab-delimited or comma-separated text**.

GPS Visualizer is based in Portland, Oregon, and has been on the Web since October 2002.

3. Select the **Converter** link from option #2.

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Ads by Google

Live GPS
 Leader In Personal GPS Tracking™ 24 Hr Real-Time Satellite Imagery
BrickHouseSecurity.com/GP

Gps Map Coordinates
 Search multiple engines for gps map coordinates
www.webcrawler.com

GIS Mapping Software
 Free GIS Case Studies and Tutorials From Geosoft, Your Choice in GIS!
www.Geosoft.com

Live GPS Car Tracking
 Instantly track any vehicle. No Contracts. Low rates!
www.PosiTrace.com/GPS_Ca

BlackBerry@ Storm™ GPS
 Be On Time With Built-in GPS Navigation And Maps Application.
www.BlackBerry.com/Storm

Free Geocoding Utilities at GPSVisualizer.com

"Geocoding" is the process of converting street addresses or other locations (ZIP codes, postal codes, city & state, airport IATA/ICAO codes, etc.) to latitude and longitude, which can be entered into a GPS device or geographical software. GPS Visualizer offers several options for geocoding your information.

NOTE: If you want to plot addresses on a map, I highly recommend geocoding the points first, saving the results, and THEN running the coordinates through the map form to create a **JPEG, PNG, SVG, Google Map, or Google Earth KML/KMZ file**. It will be much faster and easier in the long run, because your locations will only need to be processed once.

1. Geocode a single address

If you only need to find the coordinates of a single location (or a small handful), use GPS Visualizer's **Quick Geocoder**. This utility uses Yahoo or Google's geocoding service and returns a small map and a nicely formatted table of information.

2. Geocode multiple addresses

If you have a large batch of addresses for which you need coordinates, GPS Visualizer's **Multiple Address Locator** is the solution. This form allows you to geocode an large number of addresses using Yahoo or Google's Geocoding API service. Your data can be in either a raw, jumbled, **unformatted list**, or in a structured table with a header row; output is plain text but can be plotted on a map or written to a GPX file.

NOTE: If your data consists entirely of **ZIP codes, Canadian postal codes, airport codes, states, or countries**, use the **converter** described below in #3, or go straight to the **map form**.

3. Geocode simple tabular data

If your data is in tabular format (rows and columns) and contains simple data like ZIP codes, Canadian postal codes, cities, states, or airports, the best option is to format your data with an appropriate header row and then use GPS Visualizer's **text/GPX conversion utility** or one of the **map forms** directly -- GPS Visualizer has built-in databases for these types of data, so it will be much faster than having to ask Google or Yahoo where each point is.

Not only will the mapper or converter be faster, but you can also take advantage of features like the **quantitative data form**, which can colorize or resize your data points based on frequency or other parameters. (The geocoding utilities listed above in #1 and #2 will attach coordinates to your points but won't do any further processing.)

By the way, GPS Visualizer's mapper and converter will try to find the latitude and longitude of any points in your file that lack coordinates -- including street addresses. But if you do send street addresses, only a few hundred can be processed at once, because they all must be processed by the GPS Visualizer server itself -- and it will be harder to double-check them for accuracy.

Your original data should have a **header row** and details such as seen below:

Header Row →

Address	City	Postal	Name
2942 Church Road	Stevensville	L0S 1S0	Bertie BIC Church
1306 Boyle Road	St. Ann's	L0R 1Y0	Boyle BIC Church
241 Elmwood Avenue	Crystal Beach	L0S 1B0	Crystal Ridge Community Church
7189 Drummond Road	Niagara Falls	L2G 4P7	Falls View BIC Church
2 Whyte Avenue	Thorold	L2V 2T1	Orchard Creek BIC Church
10641 Hwy 3	Port Colborne	L3K 5V4	Port Colborne BIC Church
2669 Niagara Parkway	Fort Erie	L2A 5M4	Riverside Community Church
5348 SHERKSTON ROAD	SHERKSTON	L0S 1R0	SHERKSTON BIC Church
21 Caledonia Drive	Caledonia	N3W 1H2	The Gathering Place
2700 Bristol Circle	Oakville	L6H 6E1	The Meeting House

- Highlight the records from your address database (WORD document, Excel file, etc.) and paste them into the Converter text box and then click **Convert**.

Convert a GPS file to plain text or GPX
 This form reads a tracklog or waypoint file (in a recognized format) or plain-text tabular data, and converts it to an easy-to-read tab-delimited or CSV text file, or to a GPX file.

- Addresses:** If you want to find the coordinates of a list of street addresses, it may be easier to use the [geocoding utilities](#). If, however, you have ZIP codes, postal codes, or cities & states, this form is the right tool to use -- but be sure to include a valid header row! (See the [waypoint tutorial](#) for more info.)
- Google Earth:** If you want to generate a KML or KMZ file for Google Earth, use the special [Google Earth mapping form](#).
- Google Maps:** To generate a Google Map, use the special [Google Maps form](#).
- Garmin Forerunner files:** You may want to [split up your Training Center files](#) (.hst/.tcx) before using this form. The upload limit for the form on this page is 3 MB.
- Non-compatible formats:** If this conversion program cannot read your file, it's possible that [GPSBabel](#) will be able to. (GPSBabel also has a wider range of output formats.)

Upload your files here:

Or paste your data here:

Force text data to be this type:

Or provide the URL of a file on the Web:

Output format: Plain text GPX Google Earth KML

Plain text delimiter: Plain text output units:

Add DEM elevation data:

Add estimated fields: speed course/heading slope distance

Compute track statistics:

Max. points per track: Time offset: hours

Geotag points with time but no position:

Geotagging offset: hours (vs. GPS data)


Add waypoints' distance to a single point: Lat./Lon.: Name of point:

The utility geocodes the addresses and adds 2 new fields populated with latitude and longitude values.

Your data has been converted to plain text.

Right-click on the [following link](#) to save the file to your hard drive; you may want to give it a more sensible name.

[1251222143-08415-139.57.145.117.txt](#)



Help keep GPS Visualizer free
If you're enjoying GPS Visualizer, please support further development by [making a donation](#) or checking out my [Amazon](#)

The contents of your file are also displayed in this box, if you'd rather cut and paste:

type	latitude	longitude	address	city	postcode	country	name
W	42.9256580	-78.9538240	2942 Church Road	Stevensville	L0S 1S0	ca	Bertie BIC Church
W	43.0649730	-79.4634340	1306 Boyle Road	St. Ann's	L0R 1Y0	ca	Boyle BIC Church
W	42.8614730	-79.0585340	241 Elmwood Avenue	Crystal Beach	L0S 1B0	ca	Crystal Ridge Community Church
W	43.0714560	-79.0971620	7189 Drummond Road	Niagara Falls	L2G 4P7	ca	Falls View BIC Church
W	43.1242820	-79.2076750	2 Whyte Avenue	Thorold	L2V 2T1	ca	Orchard Creek BIC Church
W	42.8726390	-79.2815100	10641 Hwy 3	Port Colborne	L3K 5V4	ca	Port Colborne BIC Church
W	42.8928230	-78.9929980	2669 Niagara Parkway	Fort Erie	L2A 5M4	ca	Riverside Community Church
W	42.8780771	-79.1340335	5348 Sherkston Road	Sherkston	L0S 1R0	ca	Sherkston BIC Church
W	43.0601420	-79.9457010	21 Caledonia Drive	Caledonia	N3W 1H2	ca	The Gathering Place
W	43.5105670	-79.6861920	2700 Bristol Circle	Oakville	L6H 6E1	ca	The Meeting House

Map this data: [Google Maps](#), [Google Earth](#), [JPEG map](#), [SVG map](#), or [elevation profile](#) -- or go to the [map form](#) to set options

[Return to the "convert" form](#)

[Go to the main GPSV map form](#)

5. Click "following link" to view plain text results. Highlight and copy the text (Ctrl-C).
6. Open a new Excel document, right-click the first cell and select **Paste Special**.
7. Choose TEXT and click OK. This will paste the text into separate columns of information. Notice the additional geographic coordinates and description columns.

A	B	C	D	E	F	G	H	I	J	K	L	M
type	latitude	longitude	address	city	postcode	country	name	desc				
W	42.925658	-78.953824	2942 Church Road	Stevensville	L0S 1S0	ca	Bertie BIC Church	2942 Church Road, Stevensville, L0S 1S0				
W	43.064973	-79.463434	1306 Boyle Road	St. Ann's	L0R 1Y0	ca	Boyle BIC Church	1306 Boyle Road, St. Ann's, L0R 1Y0				
W	42.861473	-79.058534	241 Elmwood Avenue	Crystal Beach	L0S 1B0	ca	Crystal Ridge Community Church	241 Elmwood Avenue, Crystal Beach, L0S 1B0				
W	43.071456	-79.097162	7189 Drummond Road	Niagara Falls	L2G 4P7	ca	Falls View BIC Church	7189 Drummond Road, Niagara Falls, L2G 4P7				
W	43.124282	-79.207675	2 Whyte Avenue	Thorold	L2V 2T1	ca	Orchard Creek BIC Church	2 Whyte Avenue, Thorold, L2V 2T1				
W	42.872639	-79.28151	10641 Hwy 3	Port Colborne	L3K 5V4	ca	Port Colborne BIC Church	10641 Hwy 3, Port Colborne, L3K 5V4				
W	42.892823	-78.992998	2669 Niagara Parkway	Fort Erie	L2A 5M4	ca	Riverside Community Church	2669 Niagara Parkway, Fort Erie, L2A 5M4				
W	42.8780771	-79.1340335	5348 Sherkston Road	Sherkston	L0S 1R0	ca	Sherkston BIC Church	5348 Sherkston Road, Sherkston, L0S 1R0				
W	43.060142	-79.945701	21 Caledonia Drive	Caledonia	N3W 1H2	ca	The Gathering Place	21 Caledonia Drive, Caledonia, N3W 1H2				
W	43.510567	-79.686192	2700 Bristol Circle	Oakville	L6H 6E1	ca	The Meeting House	2700 Bristol Circle, Oakville, L6H 6E1				

To convert an Excel to KML using the following utility, make sure the fields follow this convention:

"Latitude", "Longitude", "Name", "Description", and "Icon"

A	B	C	D	E
latitude	longitude	name	description	icon
42.925658	-78.953824	Bertie BIC Church	2942 Church Road, Stevensville, L0S 1S0	53
43.064973	-79.463434	Boyle BIC Church	1306 Boyle Road, St. Ann's, L0R 1Y0	53
42.861473	-79.058534	Crystal Ridge Community Church	241 Elmwood Avenue, Crystal Beach, L0S 1B0	53

A selection of icons and their codes are available from the Earthpoint website:

<http://www.earthpoint.us/ExcelToKml.aspx#GoogleEarthIcons>

8. Save the Excel file.
9. Open the Excel to KML utility website: <http://www.earthpoint.us/ExcelToKml.aspx>
(included on the Map Library's Internet Mapping Tools page)
10. Click the "Browse" button to upload the Excel file.

Earth Point Tools for Google Earth
Sign In

Earth Point

- Home
- Sign In

Boise Real Estate

- Listings
- Introduction
- Q & A

County Records

- Property Search
- County GIS

Utilities

- Township & Range
- Excel To KML
- Convert Lat/Lon
- Coordinate Grids

Other

- Around Town
- Forum
- Blog
- Press
- About

ExcelToKml
Supports Eras

+, -, AD, BC, CE, and BCE can appear before or after the Time Slider dates. [more...](#)

Share your story with Google

Interesting project? Google wants to hear about it! [more...](#)

Excel To KML - Display Excel files on Google Earth.

A user account is recommended for one feature on this web page.

Export a spreadsheet of lat/long coordinates to Google Earth. Pop-up balloons, icons, and paths are easily created from the spreadsheet data.

Latitude and Longitude are all that is needed to create a basic display on Google Earth. Add a Name, Description, and an [Icon](#) for a professional presentation.

Advanced features support [GPS tracks](#), [Time Sliders](#), and [Grid Coordinates](#).

To get started, read the [Quick Start](#) instructions or download the sample data [ExcelToKmlDemo.zip](#).

NEW: Time sliders support eras. +, -, AD, BC, CE, and BCE can appear before or after the dates. [Read more...](#)


Click the "Browse" button and select an Excel file (xls, xlsx, xlsx, xlsb, txt, or csv).

Enhanced feature. [What is this?](#)

Free. User account is not needed.

For unrestricted access, please sign in to your account.

If you need help getting started, or if you have ideas for improvement, please write or call.



	A	B	C	D	E
1	Latitude	Longitude	Name	Description	Icon
2	43°36'34.86"N	116°12'23.30"W	BAM	Art museum	12
3	43 36 33.22	-116 12 18.40	Roses	Nice garden	111
4	43.608879028	-116.20320277	Zoo	Great visit	186

Sample points plotted onto Google Earth.

11. Click "View on Google Earth"
12. Select "Save" when prompted with the File Download window.

The resulting KML can now be opened using the Google Earth browser or imported to a Google Map using the [MyGoogleMap](#) instructions.

